

CLAIMS

I claim:

1. A stove switch safety cover comprising:

5 a flat back plate having a front surface formed with a plurality of transverse post mounting holes in a horizontally linear arrangement and a plurality of screw mounting holes, a rear surface, a top edge, a bottom edge parallel to said top edge, a right edge perpendicular to said top edge and joining said top edge to said bottom edge, and a left edge parallel to said right edge;

10 a key latch connected to said front surface of said back plate near said left edge;

a hinge connected along the entirety of said right edge of said back plate;

15 a cover with an interior surface and an exterior surface and having a flat front panel formed with a plurality of transverse apertures in a horizontally linear arrangement and with a top edge, a bottom edge parallel to said top edge, a right edge perpendicular to said top edge and joining said top edge to said bottom edge, and a left edge parallel to said right edge; an open rear; a top panel angling downward and outward from said top edge of said front panel; a bottom panel angling downward and outward from said bottom edge of said front panel; a right panel having a top edge and a bottom edge and connected on said top edge to said right edge of said top panel and joining said front panel to said top panel and said bottom panel; and a left panel having a top edge and a bottom edge and parallel to said right panel and connected on said top edge to said left edge of said top panel and joining said front panel to said top panel and to said bottom panel and connected on said bottom edge of said right panel to said hinge wherein said cover
20 can be rotated along said hinge in a direction towards or away from said back
25 plate;

a locking mechanism connected to said left panel of said cover;

a plurality of magnetic switches connected to said interior surface of said cover along said front panel;

a plurality of magnetic strips magnetically connected to said magnetic switches wherein said magnetic strips are placed in close proximity to said magnetic switches when said bottom edge of said left panel contacts said back plate when said cover is rotated toward said back plate along said hinge;

5 a power source connected to said internal surface of said cover;

a first plurality of electrical wires serially connected said power source to said magnetic switches;

10 a plurality of light emitting diodes (LEDs) connected to said internal surface of said cover on said front panel wherein said LEDs are aligned with said transverse apertures in said front panel of said cover; and

a second plurality of electrical wires connecting each said magnetic switch to one said LED.

2. The stove switch safety cover of claim 1 further comprising

15 a plurality of transparent discs connected to said front-panel of said cover wherein one said disc is inserted into each said transverse aperture in said front panel of said cover forming a protective lens for each said aligned LED.

3. The stove switch safety cover of claim 1 wherein said power source is a battery pack.

4. The stove switch safety cover of claim 1 wherein said transverse post mounting
20 holes formed in said back plate are of a sufficient size and are arranged to fit around the posts of the knobs on a control panel for a conventional stove when said knobs are removed from said posts.

5. The stove switch safety cover of claim 4 wherein one said screw mounting hole is located above said post mounting hole and one said screw mounting hole is
25 located below said post mounting hole for at least half of said post mounting holes.

6. The stove switch safety cover of claim 1 wherein said key latch further comprises:
a first triangular support having a base and a top point formed with a small recess;

a short cylindrical rod having a first end and a second end and connected on said first end to said recess in said top point of said triangular support; and

a second triangular support having a base and a top point formed with a small recess and connected at said small recess to said second end of said rod wherein said second triangular support is parallel to said first triangular support.

7. The stove switch safety cover of claim 6 wherein said locking mechanism further comprises:

a cylindrical key entry shaft formed with a keyed slot into which a matching key can be inserted;

a hook perpendicularly connected to said shaft wherein said hook is rotated downward when said key is turned in one direction and said hook is rotated upward when said key is turned in the opposite said direction.

8. The stove switch safety cover of claim 7 wherein said locking mechanism is aligned with said key latch wherein said hook of said locking mechanism will engage said rod of said key latch when said key is turned in said direction resulting in said hook rotating downward and said hook of said locking mechanism will release said rod of said key latch when said key is turned in the opposite said direction resulting in said hook rotating upward.

9. The stove switch safety cover of claim 1 wherein each said magnetic strip is affixed on the front of a different control knob of a stove and is in a matching polar vertical position as said magnetic switch when said control knob on which said magnetic strip has been placed is placed in the OFF position.

10. The stove switch safety cover of claim 9 wherein each said magnetic switch has contacts that are closed when associated said magnetic strip is in vertical and polar alignment with said magnetic switch and are open when associated said magnetic strip is in any other position.

11. The stove switch safety cover of claim 10 wherein each said LED is illuminated when associated said magnetic switch is in vertical and polar alignment with associated said magnetic strip.

12. The stove switch safety cover of claim 1 wherein said back plate and said cover are comprised of a material from the list of rustproof metal and heavy duty plastic.

13. A stove switch safety cover comprising:

an upper elongated locking bar having an elongated front rod with a front, a rear parallel to said front, a first end, and a second end; a plurality of locking teeth extending perpendicularly downward from said front of said front rod; and a side bar having a first end and a second end and connected at said first end to said first end of said front rod wherein said side bar extends rearward at a downward angle from said first end of said front rod;

a hinge connected to said second end of said side bar of said upper locking bar;

a lower elongated locking bar formed with similar dimensions as said upper elongated locking bar and having an elongated front rod with a front, a rear parallel to said front, a first end, and a second end; a plurality of locking teeth extending perpendicularly upward from said front of said front rod; and a side bar having a first end and a second end and connected at said first end to said first end of said front rod wherein said side bar extends rearward at an upward angle from said first end of said front rod and connected at said second end of said side bar to said hinge; and

a locking mechanism connected to said hinge.

14. The stove switch safety cover of claim 13 wherein said front rods of said upper locking bar and said lower locking bar have a length approximately equal to the length of a control panel for a stove.

15. The stove switch safety cover of claim 13 wherein said locking teeth of said upper locking bar and said lower locking bar are formed in pairs having a right locking tooth and a left locking tooth and are spaced wherein said right locking tooth is immediately to the right of the control knob of a conventional stove and said left locking tooth is immediately to the left of the control knob of a conventional stove when said control knob is in a vertical position signifying that said control knob is in the OFF position.

16. The stove switch safety cover of claim 15 wherein said upper and said lower locking bars can be rotated toward each other along said hinge wherein said right locking teeth of said upper locking bar will contact said right locking teeth of said lower locking bar and said left locking teeth of said upper locking bar will contact said left locking teeth of said lower locking bar wherein said control knobs of said conventional stove cannot be turned from said vertical position.
17. The stove switch safety cover of claim 16 wherein said locking teeth of said upper and said lower locking bars cannot contact each other if said control knobs of said conventional stove are not placed in said vertical position.
18. The stove switch safety cover of claim 16 wherein said locking mechanism further comprises:
- a flat top surface formed with a keyed entry slot; and
 - a shaft connected to said top surface and to said hinge.
19. The stove switch safety cover of claim 18 wherein said shaft of said locking mechanism causes said upper locking bar and said lower locking bar to move toward each other when a key is inserted into said keyed entry slot of said locking mechanism and is rotated in one direction and causes said upper locking bar and said lower locking bar to move away from each other when said key is rotated in the opposite said direction.
20. The stove switch safety cover of claim 13 wherein said locking teeth of said upper locking bar and said lower locking bar are arcuate.